Chemical Industries

INDEX

Volume LIX—July-December, 1946

Chemical Industries

INDEX

Volume LIX—July-December, 1946

A

ACS Convenes at Chicago 671
ACS Extends Placement Service 723
ACS Meetings, Chemists Foresee Industry Expansion at Chicago 658
A.I.Ch.E. 670
Acetic Acid 1112
Acetic Anhydride 1112
Acetic Project on Auction Block 366
Adams, Roger 493
Adhesive Unit, Paisley Products 550
Adhesive, Urea Resin 375
Adhesive, Waterproof 916
Adhesive, Water Resistant Label 738
Adhesive, Weyerhauser Pilot Plants Novel 542
Adhesives 964
Adhesives and Alkali Specialties Expansion 918
Adhesives, Chemicals Increase Versatility of Starch ALEXANDER FRIEDEN 641
Adhesives, Industrial L. F. WEYAND 274
Adhesives, Protein ALEXANDER FRIEDEN 835
Adhesives, Synthetic Resin ALEXANDER FRIEDEN 1002
Adipic Acid Unit at Orange, Texas, du Pont Plans 1076
Adiponitrile Plant for Du Pont 896
Adsorbers 282
Aerosol Bombs 374
Agricultural Chemicals P. H. GROGGINS 274
Air Deodorants E. C. CROCKER 272
Airco Buys Acetylene Plant 367
Airco U.S.I. Plant New Research Unit 138
Aicsa, New Plant for 139
Alcohol 133, 420
Alcohol Business, Seagrams Enters Industrial 918
Alcohol on the Hoof 650
Alkali Specialties Expansion, Adhesives and 918
Alkyd Resins 739
Alkyd Resins, Phthalic 1112
Alloy Drums 353
Alum 552
Alumina Plant Now Making Ammonium Sulphate, Wartime— ROBERT L. TAYLOR 830
Alumina Plant on Auction Block 138
Aluminum 745
Aluminum Pallets 706
Aluminum Salts 746
American Potash Expands Soda Ash & Borax 1078
Amines, Fatty K. E. JOHNSON 838
Ammonia Tank Cars, CPA Orders More 1076
Ammonium Sulphate, Wartime Alumina Plant Now Making ROBERT L. TAYLOR 830
Amyl Alcohols 1112
Anable, F. M. 81
Analysis in Phosphate Coatings, Iron and Zinc 1064
Analysis, Radar Spectrum Used for 1064
Anesthetic 151
Anthranilic Acid, Saccharin from 4
Anti-frothing Agents 551
Anti-Malarials 375
Anti-Pollution Bill 8
Antu and 1080 Promise Better Rodent Control, How 828
Argentine Insecticide Purchase 364
Armour Licenses General Mills 367
Asbestos 157
Associations 141, 368, 902
Atlas Mineral Forms Texas Unit 896
Atom, Realism About the (Editorial) 50
Automatic Control 120, 528, 710
Automatic Weighers 880
Auxiliaries 284
Axis Manufacture of Explosives R. A. COOLEY 645

B

Babassu 721
Backdrop of Change—EDGAR M. QUEENY 255
Bag Closer 1060
Bag Sealer 354
Bags, Packaging Chemicals in Paper 878
BAIRD, GORDON — Industrial Disinfectants 275
Bakelite Begins Vinyl Sheeting Plant 898
Bakelite Expands Vinyl Facilities 139
Balance, Utility 886
Barite 560, 1109
Barite Freight Rates 419
Barium Chemicals 557
Barnard, Kenneth H. 669
Bates, A. Allan 81
Baton Rouge Projects 852
Bauxite 159, 745, 1109
Bedford Development Corporation 738
BELL, KENNETH E. Leather Chemicals 273
Bentonite 925
Benzaldehyde 1112
Benzene, Safe Handling of 116
Between the Lines 86, 302, 498, 674, 854, 1030
BIEBER, G. D. Coal-Tar Products 262
Bikini Bombs, Footnotes to the ROBERT L. TAYLOR 476
Biochemical Field, Goodrich Enters 1078
Booklets & Catalogs 128, 358, 534, 716, 890, 1068
Borax, American Potash Expands Soda Ash & 1078
Boron 159
Botanicals 742
Bottle Carrier 352
Brace Right and Save Freight (Editorial) 818
Brake Fluids Face A Lively Future J. MITCHELL FAIN 1012
British Chemical Industry, Nationalization of 133
British Chemistry Displays Its Wares 72
British Drug Houses Builds Plant 740
Bromine 560
Brush Cleaner 914
Bureau of Explosives 116
Bureau of Labor Statistics, Services and Publications of the U. S. by RICHARD M. LAWRENCE 487
Bureau of Standards 595

C

Cabot Buys Carbon Black Unit 724
Cadet Chemical Begins Peroxide Manufacture 138
Cadwell, Sidney M. 81
CAHNERS, NORMAN L.—Palletization 294
Calcium Carbide 1112
Calcium Chloride 383
Calco Moves Into Canadian Market 740
Calendar of Events 365, 541, 724, 895, 1075
Calking Compound 551
California Chemical Buys New Plant 739
CALLAHAN, T. PAT Container Supply 295
CALLAHAN, T. PAT New Containers 293
CALLAHAN, T. PAT Packing & Shipping 116, 352, 524, 706, 878, 1058
Canada, Chemical Institute of 298
Canada Major U.S. Chemical Market 376
Canadian Celanese Co., Ltd. 1104
Canadian Imports from U.S.A. Rise 740
Canadian Industries, Ltd. 1104
Canadian News 152, 376, 552, 740, 918, 1104
Canadian Output, Strikes Pare 552
Canadian Resins and Chemical Co., Ltd. 1104
Canadian Salt 920
Canadian Statistics Canadian Bureau of Statistics Supplies Wide Range of Data W. H. LOSEE and H. McLEOD 845
Canadian Vinyl Plastics Plant 1104
Carbide Goes After Canadian Markets 918
Carbide Plans Major Texas Expansion 545
Carbide Plant Sold by WAA 136
Carbon Black 134, 384
Carbon Black Unit, Cabot Buys 724
Carbon Dioxide 124
Carbon Paper ALAN B. OLSEN 70
Carbon Tetrachloride 748
Carboxymethylcellulose 740
Carnauba, Brazilian 928
Carpenter, Arthur W. 297
Cars, CPA Orders More Ammonia Tank 1076
Cars, Rubber Lined 4
CARTWRIGHT, L. C. Polishes 270
Casein 157, 378, 1106
Casein Co. Establishes Southern Unit 726
Cashew Nut Shell Plant, Irvington Varnish Builds New 1080
Catalyst Plant, Davison Buys 725
Catalyst Plant for Sale 134
Celanese, CPA Approves $39 Million Plant for 1088
Celanese Wins Stay Suit 542
Cement Companies Merge 140
Cement, German 420
Cement, Rubber 150
Centrifuges 288
CHADBOURNE, WALTER W. Services and Publications of the Federal Reserve System, S.E.C. and Treasury Department 663
Chemical Construction Builds Pilot Plant 138
Chemical Economics & Statistics 157, 381, 557, 745, 925, 1109
Chemical Engineering Graduate Study 50
Chemical Institute of Canada 298
Chemical Packaging More Efficient 293
Chemical Plant Expansion Progresses Despite Shortages 1073
Chemical Specialties News 150, 374, 550, 738, 914, 1100
Chemical Specialties Open New Markets 269
Chemicals 384, 558, 926, 1111
Chemicals, Ltd. 1104
Chemicals Increase Versatility of Starch Adhesives ALEXANDER FRIEDEN 641
Chemicals, Synthetic Organic 382, 559, 1110
Chemists' Club 299
Chemists Foresee Industry Expansion at Chicago ACS Meetings 658
Chemurgic Converts To Specialties 916
Chemurgic Corporation to Buy War Plant 139
Chestnut Extract 155
Chlorine Shortage Curbs Tank Car Sale 894
Chlorohydrocarbons, Steam Distillation of Hydrocarbons and MELVIN NORD 884
Christmas Islands Phosphate 796
C.I.L. Plans New Sulfuric Capacity 918
Classification and Sedimentation 286
Clay, Ball 928
Clay, China 925
Cleaner, Brass 738
Cleaner, Brush 914
Cleaners, Household DOROTHY NEIDIG 271
Cleaners, Industrial DONALD PRICE 275
Cleaning Composition 551
Coal-Based Chemicals 746
Coal Is Not the Only Source of Power (Editorial) 994
Coal Tar 7, 160
Coal-Tar Products G. D. BIEBER 262
Coating to Protect Metals, A New Chemical 1001
Coatings for Steel Containers, Organic 706
Coatings, Protective Organic JOSEPH J. MATTIELLO 277
Coconut Oil Tax 200
Collett, Week, Neibecker 546
Color, Dry 540, 918
Color Film Developer 1102
Colorimeter, Photoelectric 712
Companies 542, 724, 1076
Consolidated Mining & Smelting Company of Canada, Ltd. 152, 740
Container Supply—T. PAT CALLAHAN 295
Containers, Acute Shortage of Steel Sheets Threatens Supply of New 524
Containers, Freight Savings On 524
Containers, New T. PAT CALLAHAN 293
Containers, Organic Coatings for Steel 706
Control, Automatic 120, 528, 710
Control, Heating Jacket 1064
COOK, DAVID W. Psychological Tests Aid Personnel Selection in the Chemical Industry 997
COOLEY, R. A., Axis Manufacture of Explosives 645
Corn Promised Starch Makers 8
Cornstarch 554
Corrosion Studies, New Tools Used in 483
Crawford, C. C. 849
CRAWFORD, C. C. Petroleum Provides New Hydrocarbons for the Chemical Industry 469
Creighton, H. Jermain 493
Creosote, British 364
Creosote Oil 745
CROCKER, E. C. Air Deodorants 272
Current Prices 162, 386, 562, 750, 930, 1114
Cryogenic Laboratory 494

D

D'Alelio, G. F. 81
Data, Nomographic Representation of Engineering and Chemical D. S. DAVIS 840
Data, Statistical Analysis and Interpretation of Chemical Market Research— ERNEST H. JURKAT 1021
DAVIDSON, CLINTON Incentive Plans for Top Executives 656
DAVIS, DALE S. Nomograph-of-the Month 884, 1062
DAVIS, D. S. Nomographic Representation of Engineering and Chemical Data 840
Davison Buys Catalyst Plant 725
DDT 135, 200, 738, 739
DDT Formulation 150
DDT Lime Compatibility 150
DDT Plant, Montrose Plans Western 543
DDT Unit, Pennsalt Plans Western 366
Dehydrating Plant, International Fertilizer Buys California 1086
Deodorants, Air E. C. CROCKER 272

Department of Agriculture, Services and Publications of the U.S. RICHARD M. LAWRENCE 75
Despersion Processes, U. S. Rubber Buys 725
Detergent, German 134
Detergents Expansion, Du Pont Finalizes 895
Detergents, Synthetic 416
Deterioration of Analytical Weights 712
Development of a Chemical Product 1000
Diamond Alkali Completes Houston Plans 543
Diamond Builds Texas Caustic Unit 137
2,4-D 374, 550, 738
Dibutyl phthalate 748
Dimethyl Phthalate 748
Dinkins, F. M. 493
Disinfectants, Household E. G. KLARMANN 270
Disinfectants, Industrial GORDON BAIRD 275
Disposal, War Assets 7
Distillation and Absorption 284
Distillation of Hydrocarbons and Chlorohydrocarbons, Steam MELVIN NORD 884
Dominion Color Corporation 918
Dominion Magnesium Co., Ltd. 1104
Dow Buys Texas Unit 896
Dow, Major Expansion Plans Charted by 542
Dow Receives SCI Medal, Willard 1028
Dow, Willard H. 297
Drug Sales 154
Drugs 922
Drum, Fiber 354
Drums, Alloy 352
Drums, How to Handle and Store Fiber 842
Drums, Steel 8
Dry Color 540
Drying 283
Drying Oils 1106
Du Pont, Adiponitrile Plant for 896
Du Pont Again Expands Titanium Pigments 1086
Du Pont Extends Petroleum Additive Activities 724
Du Pont Finalizes Detergents Expansion 895
Du Pont Markets New Fungicide 550
Du Pont Opens Minneapolis Division 896
Du Pont Plans Adipic Acid Unit at Orange, Texas 1076
Du Pont Plans Major Specialty Expansion 738
Du Pont Plans Third Nylon Unit 542
Durrer, Ernest R. 1025
Dust Separators 283
Dutch Cevet Salt Export Market 894
Dye Industry to Set Trade Rules 1102
Dyestuffs 922
Dyestuffs S. S. ROSSANDER 266

E

Earnings 160
Edible Oils, Ltd. 740
Editorial 49, 253, 465, 637, 817, 993
Efficiencies, Tomorrow's Wastes, Today's— C. M. A. STINE 824
Electro Metallurgical Company 136
Employment, Chemical 723
"Engineer" Corporations' Status Questioned 783
Environment or Labor Turnover Which?, Good (Editorial) 994
Equipment Developments, Process 279
Equipment, How Inspection Helps Make Better Process W. A. MILLER and G. E. KOPETZ 652
Equipment Index, Volume LIX, July-December, 1946, New 1048
Eston Pilot Plants Novel Insecticide 725
Ethers, German Manufacture of Polyvinyl GORDON M. KLINE 1018
Ethyl Corporation 852
Ethyl Ether 783
Ethylene Glycol 748
Evans Forms New Corporation 900
Evans, Robert M. 297
Executives, Incentive Plans for Top— CLINTON DAVIDSON 656
Expansion Progresses Despite Shortages, Chemical Plant 1073
Explosives, Axis Manufacture of—R. A. COOLEY 645
Export License Procedure, Ease Chemical 895
Exporter's Primer 492
Exposition, Fourth National Chemical 672

F

Facts, Industry Must Have 818
FAIN, J. MITCHELL Brake Fluids Face a Lively Future 1012
I. G. Farbenindustrie 133, 722
Farm Laboratory 1027
Fats 742
Fats and Oils 158, 554, 928
Fats and Oils, The Solexol Process, A New Tool for Refining 1016
Fatty Amines—K. E. JOHNSON 838
Federal Reserve System, S.E.C. and Treasury Department, Services and Publications of the—WALTER W. CHADBOURNE 663
Ferry, John D. 297
Fertilizer 378, 381, 383, 540, 554, 747, 928, 1106, 1109, 1110
Fertilizer Control Bill 260
Fertilizer Exports, Imports 558
Fertilizer, German 723
Fertilizer Industry as a Consumer of Chemicals—MAURICE H. LOCKWOOD 661
Fertilizers, Broader Horizons for 674
Fiber Drum 354
Fiber Drums, How to Handle and Store 842
Filters 280
Finish, Automobile 739
Fire Extinguishers 122
Fire Protection Field, Mathieson Enters 543
FISHER, HARRY L.—Rubber Chemicals 273
Flame Detector, Geiger Tube PAUL B. WEISZ 834
Flaxseed 596
Flotation Research, Oronite Inaugurates 550
Fluorine Chemistry Achieves Commercial Stature 1006
Fluorine Harnessed 300
Fluorspar 928
Fluorspar Mine, Pennsalt Buys 543
Footnotes to the Bikini Bombs ROBERT L. TAYLOR 476
Fox, Abijah C. 669
Freight, Brace Right and Save 818
Freight Rate Increase Will Affect Chemical Industries 1030
Freight Rate Protests 419
FRIEDEN, ALEXANDER Chemicals Increase Versatility of Starch Adhesives 641
FRIEDEN, ALEXANDER Protein Adhesives 835
FRIEDEN, ALEXANDER Synthetic Resin Adhesives 1002
Fuel Supplies, Commission Studies Future Liquid 498
Fuel, Synthetic 8
Fuel, Synthetic Liquid 968
Fungicide and Spray Adjuvant 1100
Fungicide, Du Pont Markets New 550
Fungicide Studies, Wartime 841
Furfural 135
Furfural Plant, Quaker Oats Takes Over Memphis 1078

G

Gardens, Chemical 596
Gas 7, 302, 595, 926
Gas, Synthetic Gasoline from Natural— P. C. KEITH 58
Gasoline from Natural Gas, Synthetic— P. C. KEITH 58
Gasoline, Synthetic 134
Geiger Tube Flame Detector PAUL B. WEISZ 834
Gelatin 160, 384, 748, 925
General Buys Sulphuric Unit 139
General Electric Co. 545
General Electric Takes Over Hanford 543
General Mills, Inc. 850
General Mills Brings in Lecithin Unit 725
German Cement 420
German Detergent 134
German Fertilizer 723
German Manufacture of Polyvinyl GORDON M. KLINE 1018
Ginger, Wild 150
Glass Fiber Patent Rights Offered 893
Glass Handling 124
Glue 922
Glutamate Manufacture, Staley Plans 545
Glyceride Process Division, Kellogg Forms 1084
Glycerine 539
Goodrich Buys War-Built Rubber Plant 367
Goodrich Enters Biochemical Field 1078
Goodyear Tire & Rubber Company of Canada 376
Government Research (Editorial) 50
Graduate Study, Chemical Engineering 50
Grease Film Removal, Silicone 1064
Grinding 280
GROGGINS, P. H. Agricultural Chemicals 274
Gum, Natural 378
Gypsum 559

H

Haines, Ernest V. 669
Hamilton, Frank 493
Hanford, General Electric Takes Over 543
Headliners in the News 81, 297, 493, 669, 849, 1025
Heat Exchange 282
Hercules Enters Fertilizer Field 366
Hexachlorocyclohexane 333, 375
Hexachlorocyclohexane, Westvaco to Produce 1082
Heyden Acquires Southern Phenol Unit 543
Heyden Starts Production at Memphis Plant 1080
Hill, Norman C. 849
Hooker-Detrex Form Solvents Corporation 367
Hormones, Plant 550
Household Cleaners DOROTHY NEIDIG 271
Household Disinfectants E. G. KLARMANN 270
Hovey, Waldo C. 297
How Inspection Helps Make Better Process Equipment W. A. MILLER and G. E. KOPETZ 652
How Statistical Methods Can Improve Chemical Processes WILLIAM R. PABST 479
How to Handle and Store Fiber Drums 842
Humble Oil Builds Dewaxing Unit 776
Hydrocarbons, Air Oxidation of High M. W. Petroleum HERMAN W. ZABEL 821
Hydrocarbons and Chlorohydrocarbons, Steam Distillation of MELVIN NORD 884
Hydrocarbons for the Chemical Industry, Petroleum Provides New—C. C. CRAWFORD 469

I

I.G. Patent Rights, Standard Oil Regains 363
ILER, R. K.—Inorganics 259
Imperial Chemical Industries, Ltd. 140
Imports from U.S.A. Rise, Canadian 740
Incentive Plans for Top Executives— CLINTON DAVIDSON 656
Ince Faces Anti-Trust Action 152
Industrial Adhesives L. F. WEYAND 274
Industrial Cleaners DONALD PRICE 275
Industrial Disinfectants GORDON BAIRD 275
Industry Must Have Facts (Editorial) 818
Industry's Bookshelf 126, 356, 532, 714, 888, 1066
Information Sources for Chemical Market Research 75, 487, 663, 845, 1021
Information Unavailable (Editorial) 818
Ink, Stencil 551
Inorganics R. K. ILER 259
Insect Repellents C. A. SETTERSTROM 474
Insecticide Base Offered 374
Insecticide, Eston Pilot Plants Novel 725
Insecticide for Codling Moth, Phenothiazine Used As 1100
Insecticide Purchase, Argentine 304
Insecticides 160, 596, 739, 914
Insecticides JOSEPH B. SKAPTASON 272
Insecticides, Agricultural 554
Insecticides are Evaluated, How 851
Insecticides, Bureau Evaluates Newer 895
Insecticides, CPA Allocates Lead for 895
Insecticides Used by Russians 170
Inspection Helps Make Better Process Equipment, How W. A. MILLER and G. E. KOPETZ 652
Instrumentation and Process Control 288-9
International Fertilizer Buys California Dehydrating Plant 1086
International Minerals Acquires Gluten Interest 138
International Minerals & Chemical Builds Sulfuric Plant 1084
International Minerals & Chemical Corp. 727
International Minerals & Chemical, New Florida Plant for 1082
Iron and Zinc Analysis In Phosphate Coatings 1064
Iron Oxide Pigment 160
Irvington Varnish Builds New Cashew Nut Shell Plant 1080
Isopropyl Alcohol 748

J

Jacket Control, Heating 1064
Japanese Phosphate 364
Jefferson Plans 1947 Production 725
Johns-Manville Expands 152
JOHNSON, K. E.—Fatty Amines 838
JURKAT, ERNEST H.—Statistical Analysis and Interpretation of Chemical Market Research Data 1021

K

KEITH, P. C.—Synthetic Gasoline from Natural Gas 58
Kellogg Forms Glyceride Process Division 1084
Keville, John J., Jr. 849
Kidde Buys Unit from WAA 137
Kistiakowsky, George B. 1025
KLARMANN, E. G.—Household Disinfectants 270
KLINE, GORDON M. German Manufacture of Polyvinyl Ethers 1018
Kline, Hayden B. 493
Kolb, Val 493
Koppers, Kobuta Styrene Unit Bought by 896
KOPETZ, G. E. and W. A. MILLER—How Inspection Helps Make Better Process Equipment 652
KUMLER, RALPH W. Pulp and Paper Chemicals 276

L

Laboratory Furniture 124
Laboratory Notebook 124, 712, 886, 1064
Labor Relations—NATHAN C. ROCKWOOD 1033
Labor Turnover Which?, Good Environment or (Editorial) 994
Lacquer 159
Lacquer and Filler, Paint, Varnish 381, 382, 560, 716
Lacquer, Crackle Type 739
Lacquer, Ultra-Fine Pigment Particles Basis of New 57
Lanham Act, Trademark Protection Offered by 721
Law of the Maximum, The (Editorial) 637
LAWRENCE, RICHARD M.—Services and Publications of the U.S. Bureau of Labor Statistics 487
LAWRENCE, RICHARD M. Services and Publications of The U.S. Department of Agriculture 75

Lead 157, 382, 560, 745, 1106, 1109
Lead for Insecticides 365
Lead for Insecticides, CPA Allocates 895
Lead Refining 740
Lead Zinc 1110
Leather Chemicals—KENNETH E. BELL 273
Lecithin Makers Face Trust Charges 136
Lecithin Unit, General Mills Brings In 725
Leicester, W. F. 493
Lether, Samuel 669
Levulose from Sucrose 834
License Procedure, Ease Chemical Export 895
Lime 557
Lion Oil Expands Nitric Capacity 725
Lithium Compounds 557
LOBO, WALTER E. Oxygen by Fractionation at Low Pressures 53
LOCKWOOD, MAURICE H.—Fertilizer Industry as a Consumer of Chemicals 661
LOSEE, W. H. and H. McLEOD Canadian Statistics Canadian Bureau of Statistics Supplies Wide Range of Data 845
Lubricants for Stuffing Box Packing 894

M

Magnesite 383
Magnesite Unit, WAA Offers 541
Magnesium 1104
Magnesium Facilities, WAA Offers 365
Maintenance, A Means of Increasing Profits, Planned—VIRDEN W. WILSON 484
MAJOR, COLEMAN J.—Water Flow Nomograph 1062
Major Industries Formed West Coast 545
Malagash Not Part of Standard Chemical 780
Malting Plant 376
Manganese Produced From Stock Piles, Electrolytic 1074
Marathon Expands Research Facilities 725
Marietta Acquires Western Subsidiaries 738
Market Outlook 154, 378, 554, 742, 922, 1106
Market Research Data, Statistical Analysis and Interpretation of Chemical ERNEST H. JURKAT 1021
Market Review 154, 378, 554, 742, 922, 1106
Martin to Expand Vinyl Resin Plant 1078
Materials Handling 284-5
Mathieson Enters Fire Protection Field 543
MATTIELLO, JOSEPH J. Protective Organic Coatings 377
MCA Meets 82
McLEOD, H. and W. H. LOSEE Canadian Statistics Canadian Bureau of Statistics Supplies Wide Range of Data 845
McCLURE, H. B. Synthetic Organics 261
McConnell, W. H. 81
Mead Committee 595
Merck & Co., Inc. 496
Merck to Build New Vitamin B6 Unit 1082
Mercury Cell 134
Meredith Summons & Co., Ltd. 918
Metals, A New Chemical Coating to Protect 1001
Metalsalts Founds Subsidiary 138
Methanol 557
Methyl Silicate, Eye Injury from 122
Mica, Synthetic 722
Microburette 712
Mighton, Charles J. 1025
MILLER, W. A. and G. E. KOPETZ How Inspection Helps Make Better Process Equipment 652
Mixers 282
Molding Powder 420
Monsanto Boosts Polystyrene Production 542
Monsanto Expands E. St. Louis Plant 1080
Monsanto Expands Textile Specialties Line 914
Monsanto Strike Settlement, Terms of 894
Montrose Plans Western DDT Plant 543
MOORE, ROBERT J. Plastic Materials and Polymers 264
Mosquito Repellent Solvents 150
Mud and Stars (Editorial) 49

N

NAIDM Convention 84
Naphthalene 748
Nason, Howard K. 849
Naval Stores, J. M. SCHANTZ 262
NEIDIG, DOROTHY Household Cleaners 271
Nomograph of the Month—DALE S. DAVIS 884, 1062
A New Chemical Coating To Protect Metals 1001
New Equipment 100, 334, 512, 690, 866, 1046
New Equipment Index, Volume LIX, July-December, 1946 1048
New Products & Processes 90, 304, 500, 678, 858, 1034
New Products and Processes Index, Volume LIX, July December, 1946 1036
New Spray Dryer Pilot Plant 1005
News of the Month 133, 363, 539, 721, 893, 1037
News of Suppliers 146, 372, 549, 735, 910, 1096
Nickel Salts 135
Nitric Acid 160
Nitric Capacity, Lion Oil Expands 725
Nitrogen Use Declines 134
No Increase in Soda Ash Output Until 1948 893
Nomographic Representation of Engineering and Chemical Data D. S. DAVIS 840
NORD, MELVIN Steam Distillation of Hydrocarbons and Chlorohydrocarbons 884
Northam Warren Brings In New Unit 916
Norwich Embarks on Expansion Program 738
Nuclear Research, U.S. Public Health Service Enters 1075
Nuodex Extends Southern Activities 550
Nuveen, Standard Chemical Purchased by 137
Nylon Staple Due, Limited Commercial Output of 1073
Nylon Unit, Du Pont Plans Third 542

O

Office of Technical Services 826
Ohio State University 494
Oil Companies Grant Cost of Living Bonus 1073
Oil Processing Plant 740
Oil Tax, Coconut 200
Oil, Tung 742
Oils and Fats 158, 554, 928
Oils, Drying 1106
Oils, The Solexol Process, A New Tool for Refining Fats and 1016
Old Ocean Oil Acquires Abercrombie 135
OLSEN, ALAN B. Carbon Paper 70
Onyx Oil Acquires New Plant 374
"Operation Welfare"—Radioactive Chemicals for Research Now Available 64
Organics, Synthetic H. B. McCLURE 261
Oronite Inaugurates Flotation Research 550
Output, Record Chemical 554
Owens-Corning Fiberglas Corp. 1026
Oxidation of High M. W. Petroleum Hydrocarbons, Air HERMAN W. ZABEL 821
Oxygen 124
Oxygen by Fractionation at Low Pressures WALTER E. LOBO 53

P

Pabst Expands Research Program 545
PABST, WILLIAM R. How Statistical Methods Can Improve Chemical Processes 479
Packaging Chemicals in Paper Bags 878
Packaging Liaison Between U.S.A. and Britain 759
Packaging More Efficient, Chemical 293
Packaging, Plastic 1058
Packaging & Shipping T. PAT CALLAHAN 116, 352, 524, 706, 878, 1058
Packing Gland, Laboratory 1064
Paint, Varnish, Lacquers and Filler 381, 382, 560, 746
Paisley Products Buys Adhesive Unit 550
Palletization NORMAN L. CAHNERS 294
Pallets, Aluminum 706
Paper and Pulp 1111
Paper and Pulp Chemicals RALPH W. KUMLER 276
Paper Bags, Packaging Chemicals in 878
Paper Firms, Yeast Plant to be Built by Wisconsin 1086
Parke, Davis Begin Streptomycin Project 724
Patent Pool, Twelve Nations Agree on 363
Patents and Trademarks 177, 405, 577, 765, 944, 1129
Pauling, Linus 81
Pearl Essence Production Planned 376
Penicillin 723
Penicillin Testing 722
Penn Salt Builds Western Unit 139
Pennsalt Buys Fluorspar Mine 543
Pennsalt Markets New Cleaners 150
Pennsalt Plans Western DDT Unit 366
Personnel 143, 368, 548, 728, 904, 1092
Personnel Selection in the Chemical Industry, Psychological Tests Aid DAVID W. COOK 997
Peterson, Willard D. 669
Petroleum 742
Petroleum Additive Activities, Du Pont Extends 724
Petroleum Provides New Hydrocarbons for the Chemical Industry C. C. CRAWFORD 469
Pharmaceuticals E. H. VOLWILER 263
Phenol Unit, Heyden Acquires Southern 543
Phenolic Resin Capacity, Reichhold Expands 1078
Phenolic Resins 746
Phenothiazine Used As Insecticide for Codling Moth 1100
Phosphate 727
Phosphate, Christmas Islands 196
Phosphate Coatings, Iron and Zinc Analysis In 1064
Phosphate, Japanese 364
Phosphate Plant, TVA's 199
Phosphate Rock 157, 159, 381, 783
Phosphate Trade, International 86
Phosphors, Baking 852
Phosphorus 748
Phthalate Plasticizers 1112
Phthalic Alkyd Resins 1112
Phthalic Anhydride 592
Phthalic Anhydride from o-Xylene 68
Phthalic Plant, WAA Offers Incomplete 1076
Physics Laboratory 495
Pigment, Iron Oxide 160
Pigment Particles Basis of New Lacquer, Ultra Fine 57
Pilot Plant, New Spray Dryer 1005
Pilot Plants (Editorial) 638
Pipe and Fittings 286-7
Pipe Lines Are Common Carriers, Supreme Court Rules 1074
Pipe-Line Disposal 967
Pipeline Disposal Delay, What's Behind 854
Planned Maintenance, A Means of Increasing Profits VIRDEN W. WILSON 484
Plant Operations Notebook 120, 528, 710, 884, 1062
Plasticizers, Phthalate 1112
Plastic Materials and Polymers—ROBERT J. MOORE 264
Plastic Packaging 1058
Plastic Waterpaints, Cold-Water Paints and Calcimines 383, 747, 927
Plastics 922
Plastics In Auto Glazing 1100
Plastics, McKenzie Calls for Better Retailing of 1074
Plastics Plant, Canadian Vinyl 1104
Plastics, Sound Selling Needed for (Editorial) 818
Plastics & Synthetic Resins 160, 381, 747, 927
Plough Extends Export Trade 551
Polish Investments, Move to Protect 894
Polish, Rubless 739
Polishes L. C. CARTWRIGHT 270
Political Scientists 196
Pollution Anti Bill 8
Polystyrene, Coating for 151
Polystyrene Production, Monsanto Boosts 542
Polyvinyl Ethers, German Manufacture of GORDON M. KLINE 1018
Postwar Research, Forges Ahead 259
Potash 135, 158, 539, 925
Potash Soap 1110
Pottenger, Carl H. 81
Powell & Co., Inc., John 851
POWERS, D. H. Textile Chemicals 277
Pre-form Process 1026
PRICE, DONALD Industrial Cleaners 275
Prices, Current 162, 386, 562, 750, 930, 1114
Process Equipment Developments 279
Processes, How Statistical Methods Can Improve Chemical—WILLIAM R. PABST 479
Processes Index, Volume LIX, July-December, 1946, New Products and 1036
Production Down, 1945 Chemical 827
Products and Processes Index, Volume LIX, July-December, 1946, New 1036
Protective Organic Coatings JOSEPH J. MATTIELLO 277
Protein Adhesives ALEXANDER FRIEDEN 835
Psychological Tests Aid Personnel Selection in the Chemical Industry DAVID W. COOK 997
Publicker Buys Philadelphia Facilities 138
Pulp Paper 158, 381, 1111
Pulp and Paper Chemicals RALPH W. KUMLER 276
Pump, Lab 712
Pumps, Blowers and Compressors 281
Purex Corporation 374
Pyrethrum 540

Q

Quaker Oats Takes Over Memphis Furfural Plant 1078
Quartz 559
QUEENY, EDGAR M. The Backdrop of Change 255
Quinine 378

R

Radar Spectrum Used for Analysis 1064
Radioactive Chemicals for Research Now Available "Operation Welfare" 64
Radiological Safety, A New Field for Research (Editorial) 465
Rayon 745
Reader Writes 4, 196, 416, 592, 780, 964
Regulator, Temperature 124
Reichhold Acquires Land For Further Expansion 1084
Reichhold Expands Phenolic Resin Capacity 1078
Reichhold Reconverts Wartime Ester Plant 546
Reichhold Schedules Seattle Resin Project 898
Remover, Spot 914
Repellent, Rodent 914
Repellent Solvents, Mosquito 150
Research Forges Ahead, Postwar 259
Research, Government (Editorial) 50
Research Pays Off Again (Editorial) 638
Resin Adhesives, Synthetic ALEXANDER FRIEDEN 1002
Resin Capacity, Reichhold Expands Phenolic 1078
Resin Plant, Martin to Expand Vinyl 1078
Resin Project, Reichhold Schedules Seattle 898
Resins, Alkyd 739
Resins, Phenolic 746
Resins, Phthalic Alkyd 1112
Resins, Synthetic & Plastics 160, 381, 747, 927
Resins, Vinyl 742
Retrospect and Prospect (Editorial) 253
Rheem Enters Far East 759
Riboflavin Concentrates, U.S.I. Announces New 551
Rockwell, Reginald 669
ROCKWOOD, NATHAN C. Labor Relations 1032
Rodent Control, How Antu and 1080 Promise Better 828
Rodent Repellent 914
Rogers Chemicals Acquires Larger Quarters 545

Rogers, James L. 297
Rosin 160, 722, 748
ROSSANDER, S. S.—Dyestuffs 266
Rotenone 154
Rubber 554
Rubber Cement 150
Rubber Chemicals HARRY L. FISHER 273
Rubber-Lined Cars 4
Rubber Plant, Goodrich Buys War-Built 367
Rubber Plants, WAA Sets Up Agency to Sell 1073
Rubber, Synthetic 136, 552, 1104
Rugg, Dan M. 669
Ruhoff, John R. 849
Rutin From Buckwheat 74

S

Saccharin from Anthranilic Acid 4
Safety 283
Salary Survey 541
Salt 157
Salt Cake 783
Salt, Canadian 920
Salt Export Market, Dutch Covet 894
SANDIFER, T. N.—Washington 199, 419, 595, 783, 967
SCHANTZ, J. M.—Naval Stores 262
Schneider, F. P. 1025
SCI Medal, Willard Dow Receives 1028
Scientists, German 967
Scientists, Political 196
Seagrams Enters Industrial Alcohol Business 918
Searle Extends Facilities 551
S.E.C. and Treasury Department, Services and Publications of the Federal Reserve System WALTER W. CHADBOURNE 663
Seed Preservative 374
Seed Treating 374
Serendipity 964
Serum 739
Service Industries 374
SETTERSTROM, C. A.—Insect Repellents 474
Shell Develops New Solvents Series 724
Shell Oil Company 1027
Shell Ups Isopropyl Capacity 137
Shellac 378
Shortage, Chemical 742
Silicone 545
Silicone Grease Film Removal 1064
SKAPTASON, JOSEPH B.—Insecticides 272
Slag 747
Smoke, Hubert R. 1025
Soap 154, 920
Soap, Potash 1110
Soda Ash 420, 596
Soda Ash & Borax, American Potash Expands 1078
Soda Ash Output Until 1948, No Increase in 893
Sodium Metaphosphate 1112
Sodium Sulfate-Carbonate 157
Solexol Process, A New Tool for Refining Fats and Oils, The 1016
Solvay Buys Nitrate Plant 366
Solvay Plant 852
Something to Sell (Editorial) 993
Southern Research Institute Expands 547
Specialties Can Be Profitable, But . . . (Editorial) 994
Specialties, Chemical 1100
Specialties News, Chemical 150, 374, 550, 914
Specialties Open New Markets, Chemical 269
Spencer Chemical Buys Ordnance Works 137
Spot Remover 151, 914
Spot Testing Aids 886
Spray Base 151
Spray Dryer Pilot Plant, New 1005
Stales Plans Glutamate Manufacture 545
Standard Chemical Co., Ltd. 552, 740, 780
Standard Chemical Purchased by Nuveen 137
Standard Oil Co. (Indiana) 139
Standard Oil Co. (N. J.) 852
Standard Oil Regains I.G. Patent Rights 303
Starch Adhesives, Chemicals Increase Versatility of ALEXANDER FRIEDEN 641
Starch Makers, Corn Promised 8
Statistical Analysis and Interpretation of Chemical Market Research Data ERNEST H. JURKAT 1021
Statistical Methods Can Improve Chemical Processes, How WILLIAM R. PABST 479
Steam Distillation of Hydrocarbons and Chlorohydrocarbons MELVIN NORD 884
Steel Containers, Organic Coatings for 706
Steel Drums 8
Steel Sheets Threatens Supply of New Containers, Acute Shortage of 524
Sterling Buys Brcon 148
STINE, C. M. A. Today's Efficiencies, Tomorrow's Wastes 824
Strapping Machine 354
Streptomycin 135, 365, 496, 541
Streptomycin Project, Parke, Davis Begin 724
Strikes Pare Canadian Output 552
Styrene Plants Declared Surplus 365
Styrene Unit Bought by Koppers, Koluta 896
Sucrose, Levulose from 834
Sulfur 559, 926
Sulfuric Acid 112, 189, 557
Sulfuric Capacity, C.I.L. Plans New 918
Sulfuric Plant, International Minerals & Chemical Builds 1084
Sulphur Domes, Exploit Mexican 898
Superphosphate 159, 382, 560, 745, 927, 1109, 1111
Suppliers, News of 146, 372, 549, 735, 910, 1096
Synthetic Gasoline from Natural Gas P. C. KEITH 58
Synthetic Organic Chemicals 382, 559, 1110
Synthetic Organics—H. B. McCLURE 261

T

Tank Cars, CPA Orders More Ammonia 1076
Tanning Agent, Synthetic 541
Taxation Changes 200
Taylor, Bert S. 849
TAYLOR, ROBERT L. Footnotes to the Bikini Bombs 476
TAYLOR, ROBERT L. Wartime Alumina Plant Now Making Ammonium Sulphate 830
Temperature Regulator 124
1018 Promise Better Rodent Control, How Antu and 828
Testing Aids, Spot 886
Tetrasodium Pyrophosphate 1112
Textile Chemicals D.-H. POWERS 277
Thermometer Calibration 712
Thompson Chemical Changes Hands 150
Thompson, Clifton S. 1025
Thorne, G. Gilbert 1025
Tichner, William D. Jr. 669
Tin 378
Titanium Pigments, Du Pont Again Expands 1086
Today's Efficiencies, Tomorrow's Wastes C. M. A. STINE 824
Trademark Protection Offered by Lanham Act 721
Trademarks, Why Take Chances With? (Editorial) 638
Transportation Crisis Threatens Chemical Output 539
Travel and Preparation Time 1032
Treasury Department, Services and Publications of the Federal Reserve System, S.E.C. and WALTER W. CHADBOURNE 663
Tricresyl Phosphate 1112
Trisodium Phosphate 1112
Tung Oil 742
Tuley, William F. 297
Turpentine 160, 748
TVA's Phosphate Plant 199

U

Ultra-Fine Pigment Particles Basis of New Lacquer 57
Universal Oil Products Co. 495
Universal Pigment & Chemical Corp. 726
Urea Resin Adhesive 375
U.S. Public Health Service Enters Nuclear Research 1075
U.S. Rubber Buys Dispersion Processes 725
U.S.I. Announces New Riboflavin Concentrates 551

V

Vanadium Production Monopolized 133
Van Stone, Nathan E. 849
Varnishes, Lacquers and Fillers, Paints 381, 382, 560, 746
Velsicol Corp. 135
Vinyl Plastics Plant, Canadian 1104
Vinyl Resin Plant, Martin to Expand 1078
Vinyl Resins 742
Vinyl Sheeting Plant, Bakelite Begins 898
Vitamin A 546
Vitamin B₁ Unit, Merck to Build New 1082
Vitamin D 723
VOLWILER, E. H. Pharmaceuticals 263

W

WAA Sets Up Agency to Sell Rubber Plants 1073
War Assets Disposal 7
Wartime Alumina Plant Now Making Ammonium Sulphate ROBERT L. TAYLOR 830
Wartime Fungicide Studies 841
Washington T. N. SANDIFER 7, 199, 419, 595, 783, 967
Waste Wood Bark Provides Powdered Cork-Type Materials 486
Wastes, Today's Efficiencies, Tomorrow's C. M. A. STINE 824
Water Flow Nomograph COLEMAN J. MAJOR 1062
Watkins Doubles Laboratory Space at Rahway Plant 1102
"We" Editorially Speaking 174, 402, 574, 762, 942, 1126
Weighers, Automatic 880
Weights, Deterioration of Analytical 712
WEISZ, PAUL B. Geiger Tube Flame Detector 834
Westinghouse Lamp Division Research Laboratories, Bloomfield, N. J. 852
Westvaco to Produce Hexachlorocyclohexane 1082
Wetting Agent 374
WEYAND, L. F. Industrial Adhesives 274
Weyerhauser Pilot Plants Novel Adhesive 542
What Price Policy Now (Editorial) 817
What's Behind Pipeline Disposal Delay 854
White, P. C. 993
Wickersham, R. C. 81
Williams, Robert H. 1025
Wilson, Robert E. 267
WILSON, VIRDEN W. Planned Maintenance, A Means of Increasing Profits 484
Wingfield, E. D. 849
Winthrop Chemical Co., Inc. 730
Wood Bark Provides Powdered Cork-Type Materials, Waste 486
Wood Research 723
Wyandotte to Begin Manufacture of Organic Chemicals 363

X

o-Xylene, Phthalic Anhydride from 68

Y

Yeast Plant to be Built by Wisconsin Paper Firms 1086

Z

ZABEL, HERMAN W.—Air Oxidation of High M. W. Petroleum Hydrocarbons 823
Zinc 157, 746, 1064, 1109
Zinc Lead 1116
Zinc Scrap 160
Zircon Data 476
Zonite Extends Facilities 550